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  - L1: (2) (("5513385") or ("5475863")).PN.
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  - L5: (4451) 340/825 340/3.3 340/3.32 340/7.32 340/7.52 340/825.2
  - L7: (18738) 4 or 5
  - L8: (107) 7 and (supplementary near2 data)
  - L9: (12) 8 and decoder
  - L10: (4) 9 and word
  - L11: (1) 10 and (match$3 near8 "condition signal")
  - L12: (3) 10 and bit
  - L13: (1) 12 and (detect$3 near5 circuitry)
  - L14: (36) 7 and (supplementary near2 data).clm.
  - L15: (3) 8 and decoder.clm.
  - L16: (1) 10 and (match$3 near8 "condition signal").clm.
- Failed
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  - S1: (25380) (RF or "radio frequency") near3 receiver
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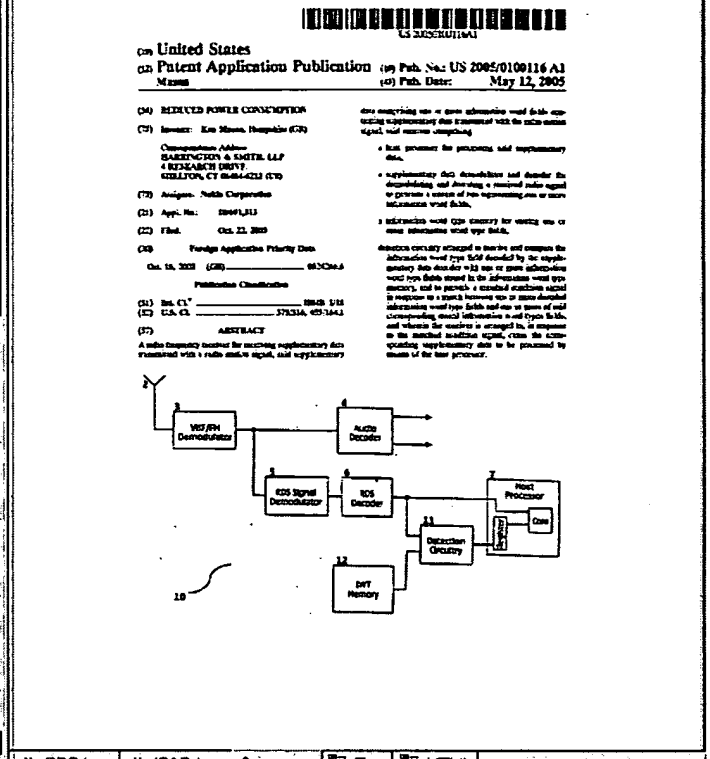

(19) United States
(12) Patent Application Publication (10) Pub. No.: US 2005/0100116 A1
Mason (43) Pub. Date: May 12, 2005

(54) REDUCED POWER CONSUMPTION

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(21) Appl. No.: 10/691,313

(22) Filed: Oct. 22, 2003

(30) Foreign Application Priority Data

Oct. 18, 2003 (GB) 0324366.6

Publication Classification

(51) Int. Cl.[7] H04B 1/16
(52) U.S. Cl. 375/316; 455/344.1

(57) ABSTRACT

A radio frequency receiver for receiving supplementary data transmitted with a radio station signal, and supplementary

data comprising one or more information word fields representing data transmitted with the radio station signal, said receiver comprising:

- a host processor for processing said supplementary data;
- a supplementary data demodulator and decoder for demodulating and decoding a received radio signal to generate a stream of bits representing one or more information word fields;
- a information word type memory for storing one or more information word type fields;

detection circuitry arranged to receive said stream the information word type field decoded by the supplementary data decoder to fetch one or more information word type fields stored in the information word type memory, and to provide a matched condition signal in response to a match between one or more decoded information word type fields and one or more of said corresponding stored information word type fields, and wherein the receiver is arranged to, in response to the matched condition signal, cause the corresponding supplementary data to be processed by means of the host processor.

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	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current	Ref	Inventor
1	☐	☐	US 20050100116 A1	20050512	14	Reduced power consumption	375/316	455/184.1		Mason, Ken

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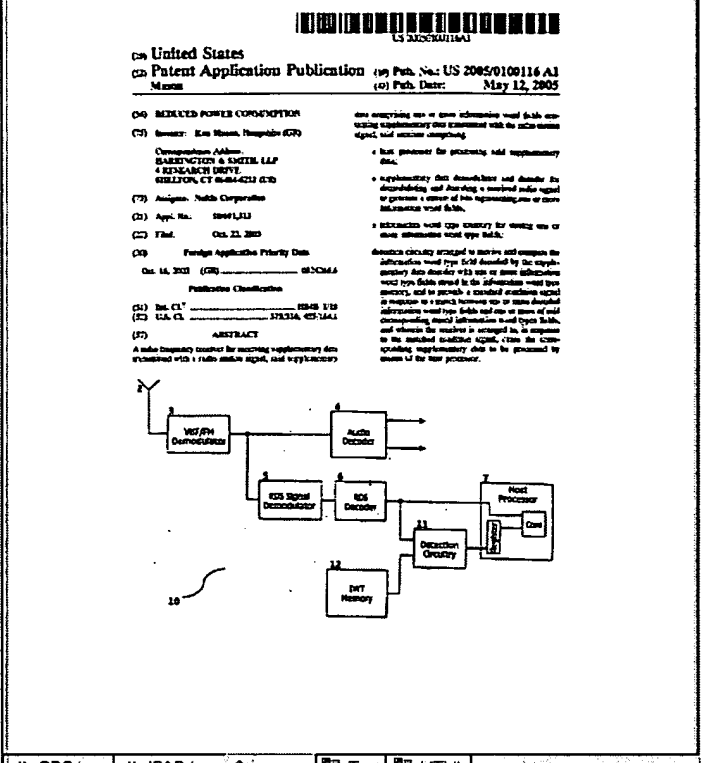
  - L10: (4) 9 and word
  - L11: (1) 10 and (match$3 near8 "condition signal")
  - L12: (3) 10 and bit
  - L13: (1) 12 and (detect$3 near5 circuitry)
- Failed
- Saved
  - S1: (25380) (RF or "radio frequency") near3 receiver
  - S2: (12204) S1 and (stream$ or bit)
  - S3: (507) S2 and "radio station"
  - S4: (5) S3 and (word near8 match$3)
  - S5: (457) S3 and detect$3
  - S6: (45) S3 and (detect$3 near3 circuitry)



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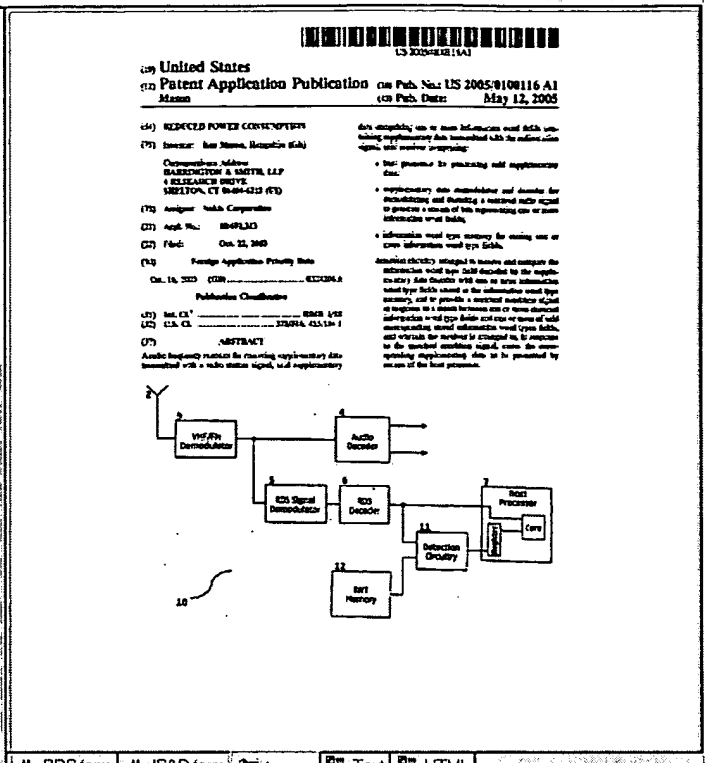

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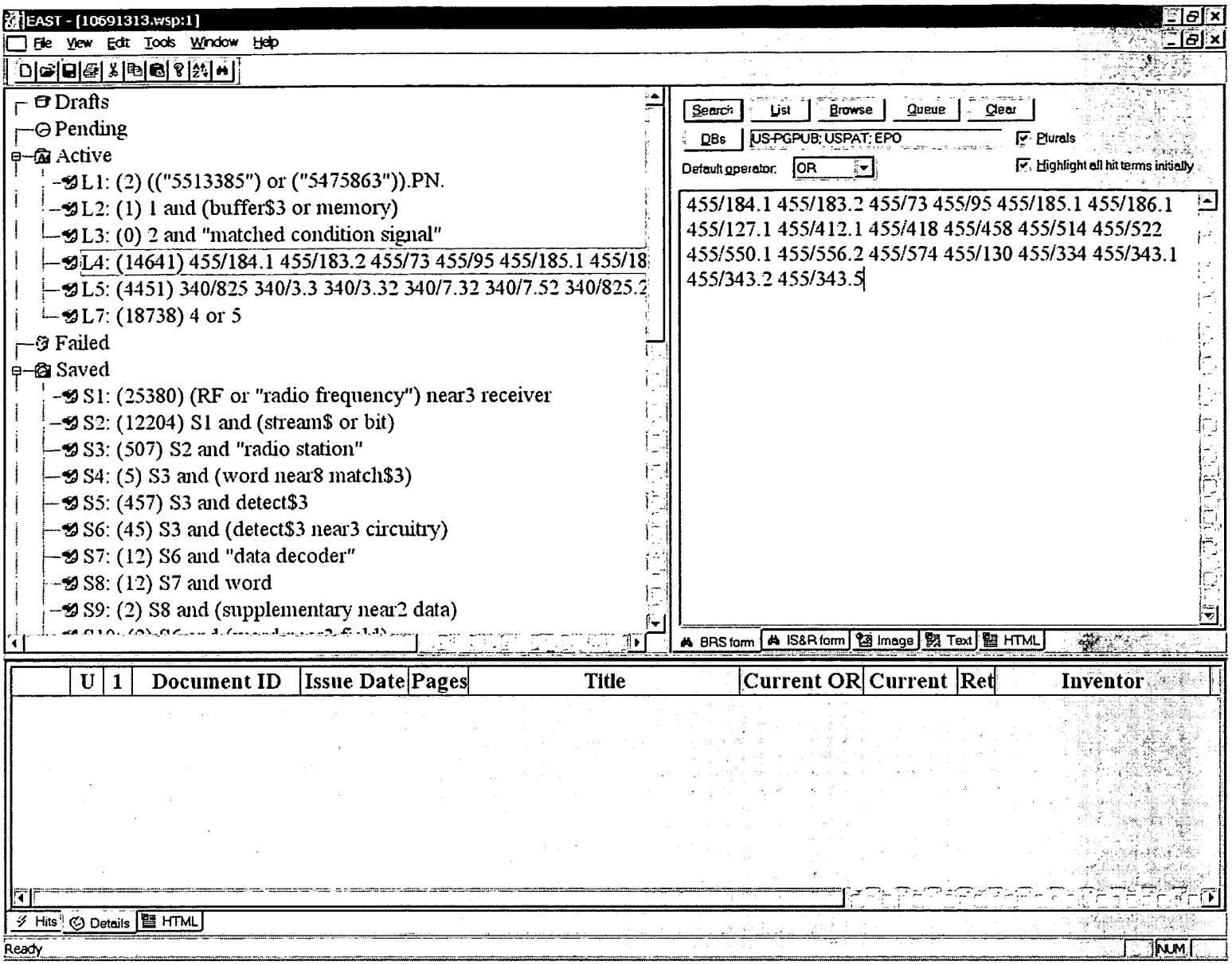
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S9: (2) S8 and (supplementary near2 data)
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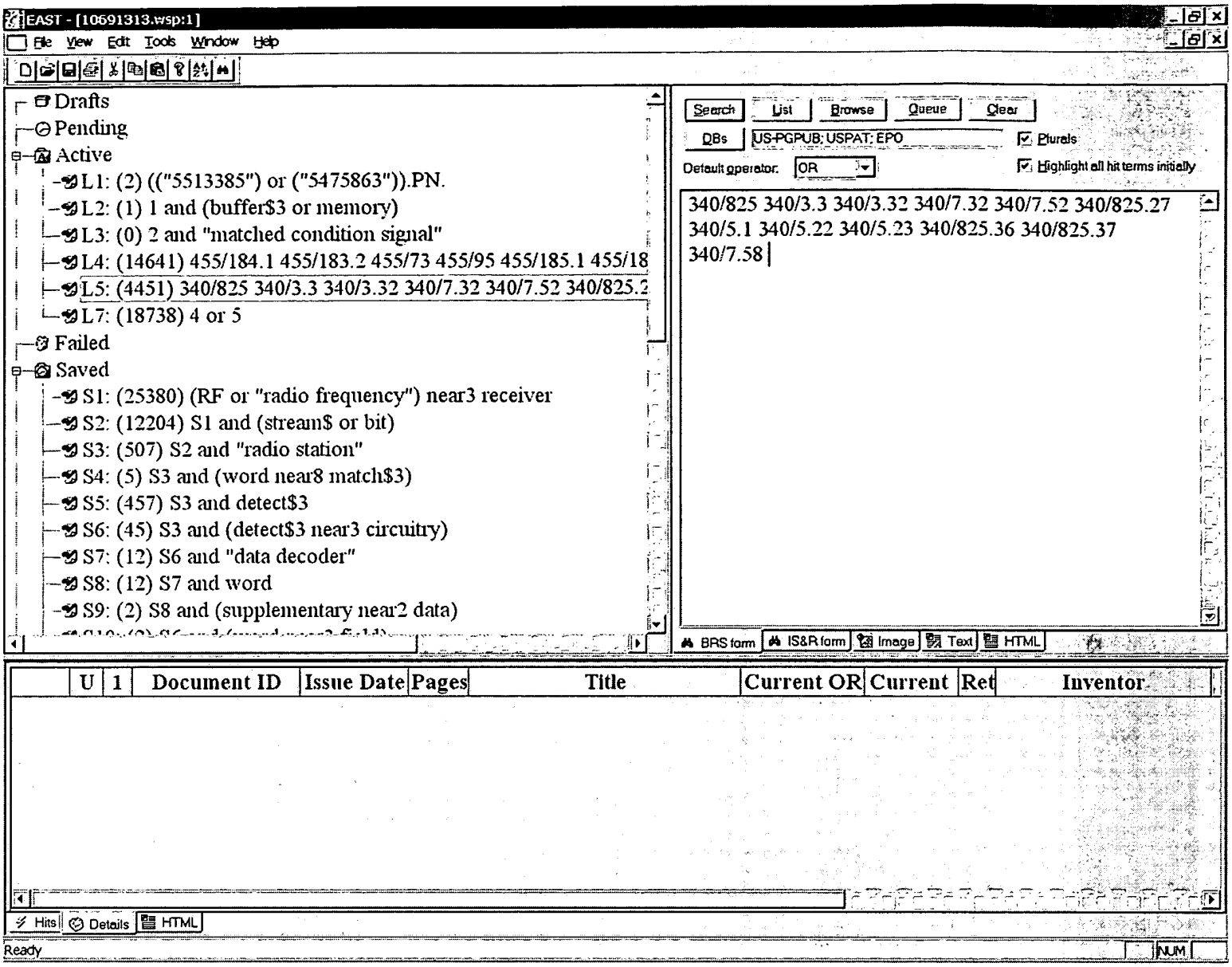
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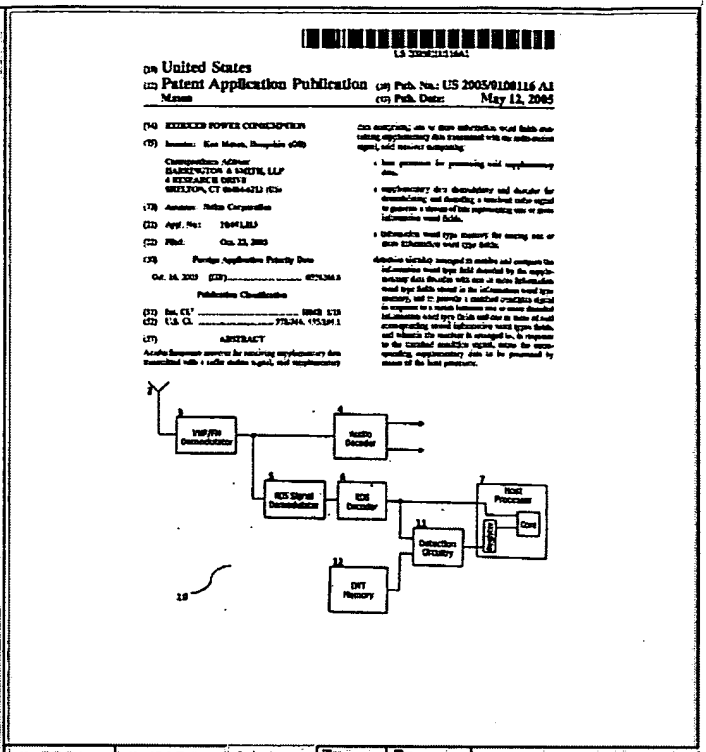
  - L10: (2) 6 and (word near3 field)
  - L11: (11) 5 and (word near3 field)
  - L12: (75850) "455"/$.ccls.
  - L13: (6270) 12 and ((RF or "radio frequency") near3 receiver)
  - L14: (506) 13 and (stream$ near5 bit)
  - L15: (21) 14 and "data decoder"
  - L16: (1) 15 and (supplementary near2 data)
  - L17: (16) 15 and word
  - L18: (15) 17 and detect$3
  - L19: (4) 18 and (word near8 match$3)
  - L20: (2) 1 and "information word field"
- Failed
- Saved



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2	☐	☐	WO 2005039079 A1	20050428	33	REDUCED POWER CONSUMPTION				MASON, KEN

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- Failed

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18 and (word near8 match$3)

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1	☐	☐	US 20050100116 A1	20050512	14	Reduced power consumption	375/316	455/184.1		Mason, Ken
2	☐	☑	US 5475863 A	19951212	22	Method and apparatus for delivering messages to portabl	455/458	340/7.22; 340/7.26;		Simpson; Floyd et al.
3	☐	☐	US 5428388 A	19950627	25	Video doorbell system	348/155	348/156; 379/102.0		von Bauer; Richard P. et al.
4	☐	☐	US 4367557 A	19830104	27	Wired broadcasting systems	725/149	340/310.1 1;		Stern; Joseph L. et al.

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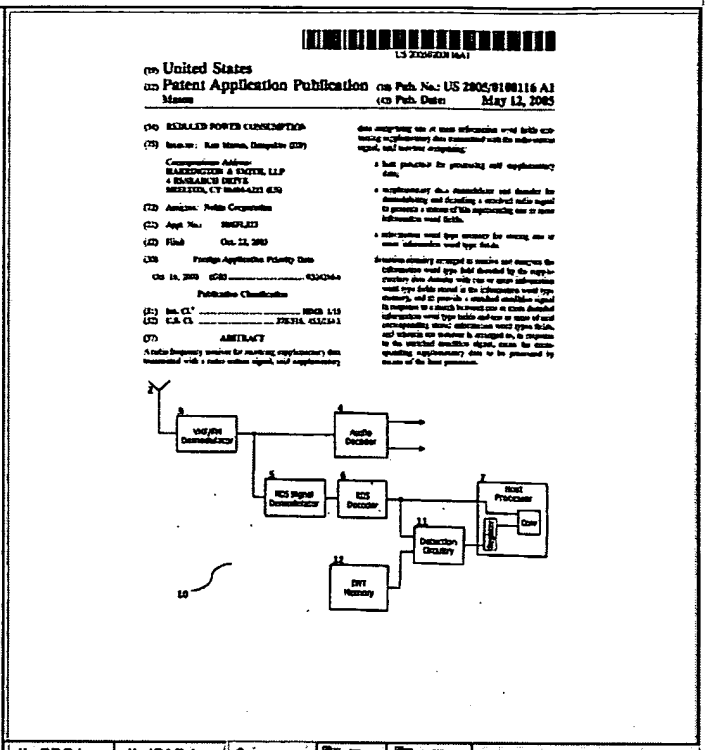

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